



CHR[®] 2975-8R

Glass-Silicone Pressure Sensitive Adhesive Tape

CHR 2975-8R is manufactured by **Saint-Gobain[®]** Performance Plastics Corporation, Tape Solutions business, and comes with silicone rubber/fibreglass cloth backing coated with adhesive that can sustain high heat ranges as noted in this data sheet.

Features/Benefits

2975 tape is intended to withstand both the punishing abrasion of grit blasting and the extreme temperatures/pressures associated with the plasma spray process. The adhesive is a silicone that can sustain high heat ranges as noted in this data sheet, which allows the product to withstand continuous temperatures up to 260°C and also prevents tape slippage after application. These tapes have excellent strength and flexibility, which allows for easy wrapping of complex shapes and minimizes wrinkling during the flexing of cables.

Availability

Factory stock for 2975 is in master rolls 33 m × 1219 mm (36 yd × 48 in). Rolls can be slit in widths ranging from 6.35 mm to 1219 mm (0.25 in to 48 in). They are available with either a yellow PVC liner (2975-8RY) or a fluorosilicone liner (2975-8RK). Factory stock for 2975-8RK is in master rolls 33 m × 457 mm (36 yd × 18 in).

Applications

2975 is used in the plasma spray process: a method of applying thin coatings of metal or high-temperature ceramics to a surface. The coating is sprayed at high pressure and at extreme temperatures. The tape is applied adjacent to areas of parts, which are to be plasma sprayed. These tapes are intended to protect these areas both from the grit blasting, which is used as a surface preparation, and from the actual plasma spray coating. The aerospace industry is the prime market for the use of plasma spray tapes, specifically, jet engine manufacturers, overhaul centres, major airline maintenance centres, Air Force Bases, and Naval Air Rework Facilities (NARF'S).



CHR 2975-8R Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

Product Number	2975-8R
Backing Material	Glass-Silicone
Adhesive Type	Silicone
Total Thickness mm (mil)	0.267 (10.5)
Backing Thickness mm (mil)	0.178 (7.0)
Adhesive Thickness mm (mil)	0.089 (3.5)
Adhesion to Steel N/cm (oz/in)	5.5 (50)
Tensile Strength N/cm (lb/in)	263 (150)
Dielectric Strength (volts)	7,000
Elongation (% at break)	5
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)
Colour	White

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